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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
GAINER et al

Serial No. 10/647,132

Filed: August 25, 2003

For: BIPOLAR TRANS CAROTENOID SALTS AND THEIR USES



Atty. Ref.: 4112-7

TC/A.U.: 1626

Examiner:

June 30, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449.

- All listed documents are attached.
- This application was filed after June 30, 2003 so that copies of U.S. Patent Publications are not required and are not attached.
- Listed foreign patent publications and other documents are enclosed.
- The listed documents were cited in the ISR and copies should have been supplied by WIPO directly to the US PTO. If copies are not timely received from WIPO, please telephone the undersigned so that copies can be timely supplied for the Examiner's consideration in this US National Phase Application.

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

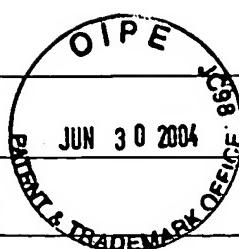
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GARNER
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1626

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

TRANSLATION

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	<u>Carotenoids</u> Vol. 1A: Isolation and Analysis, Edited by G. Britton, S. Liaaen-Jensen and H. Pfander, Birkhauser Verlag, Basel, 1995, pp 103-107; p. 283
	Roy, et al, <u>Shock</u> , Vol. 10, No. 3, pp 213-217 (1998)
	Singer et al, <u>Crit Care Med</u> , Vol. 28, No. 6, pp 1968-72 (2000) Intravenous crocetinate prolongs survival in a rat model of lethal hypoxemia
	Craw, M., and Lambert, C., <u>Photochemistry and Photobiology</u> , Vol. 38 (2), pp 241-243 (1983)
	Wurtman, R.J., <u>Scientific American</u> , Vol. 252, 1985 Alzheimer's Disease
	Kalani, M., et al, <u>Journal of Diabetes & Its Complications</u> , Vol. 16, No. 2, pp. 153-158 (2002)
	Denninghoff et al, <u>Diabetes Technology & Therapeutics</u> , Vol. 2, No. 1, pp. 111-113 (2000)
	Buchta and Andree, <u>Naturwiss.</u> The Total Synthesis of trans-2,2-Bisdimethyl-crocetin-dimethyl ester and trans-Crocetin-dimethyl ester, (1959)

*Examiner _____ Date Considered _____

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE
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	Gree, R., et al, <u>Tetrahedron Letters</u> , 27, 4983 (1986)
	Letham, D.S., et al <u>Phytochemistry</u> 10, 2077 (1971)
	Buchta, E. and Andree, F., <u>Chem. Ber.</u> 93, 1349 (1960)
	Gibson, T.W., et al, <u>J. Org. Chem.</u> 41, 791 (1996)
	Snyder, J.M., et al, <u>J. Am. Oil Chem. Soc.</u> , 59, 469 (1982)

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